

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Com men ts | Err or s |
|---|------|---------|-------|--|---------------------------------------|---------------------|------------------|----------------|
| 1 | BRS | L1 | 8735 | zinc adj (sulphate\$1 or sulfate\$1) | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:21 | | 0 |
| 2 | BRS | L6 | 2948 | ZnSO?sub.4 | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:22 | | 0 |
| 3 | BRS | L1 1 | 81 | Zn adj SO?sub.4 | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:22 | | 0 |
| 4 | BRS | L1 6 | 1519 | ZnSO4 | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:22 | | 0 |
| 5 | BRS | L2 1 | 12280 | 1 or 6 or 11 or 16 | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:22 | | 0 |
| 6 | BRS | L2 6 | 87 | 21 same (protien\$1 or protein\$1) same ((salt\$3 adj out) or precipitat\$5) | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:25 | | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Com men ts | Er r o r s |
|----|------|---------|------|--|---------------------------------------|---------------------|------------------|------------------------|
| 7 | BRS | L3 1 | 1 | 26 and rifampicin | USPAT; EPO; JPO; DERWEN T | 2001/12/17 14:09 | | 0 |
| 8 | BRS | L3 6 | 60 | 26 and (HPLC or chromatograph\$9) | USPAT; EPO; JPO; DERWEN T | 2001/12/17 14:08 | | 0 |
| 9 | BRS | L4 1 | 34 | 36 and (propanol or acetonitrile or benzene or toluene or dichloromethane or chloroform) | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:30 | | 0 |
| 10 | BRS | L4 6 | 4 | 41 and ("340" adj nm) | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:44 | | 0 |
| 11 | BRS | L5 6 | 2 | 5135875.pn. | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:36 | | 0 |
| 12 | BRS | L6 1 | 0 | 51 and 56 | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:36 | | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments | Error |
|----|------|---------|------|--|---------------------------------------|---------------------|----------|-------|
| 13 | BRS | L6 6 | 1 | 26 and 56 | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:36 | | 0 |
| 14 | BRS | L7 1 | 7 | 26 and ("340" adj nm) | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:45 | | 0 |
| 15 | BRS | L5 1 | 30 | 41 not 46 | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:56 | | 0 |
| 16 | BRS | L7 6 | 21 | 51 and (blood or urine or tear\$1 or (bod\$2y adj fluid\$1)) | USPAT; EPO; JPO; DERWEN T | 2001/12/17 13:58 | | 0 |
| 17 | BRS | L8 1 | 0 | 56 and (HPLC or chromatograph\$9) | USPAT; EPO; JPO; DERWEN T | 2001/12/17 14:09 | | 0 |
| 18 | BRS | L8 6 | 11 | hydrophobic\$5 with rifampicin | USPAT; EPO; JPO; DERWEN T | 2001/12/17 14:11 | | 0 |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | C o m m e n t s | E r r o r s |
|----|------|---------|------|--|---------------------------------------|---------------------|--------------------------------------|----------------------------|
| 19 | BRS | L9 1 | 2502 | rifampin or rifaldazine or rifamycin or rifampicin | USPAT; EPO; JPO; DERWEN T | 2001/12/17 14:12 | | 0 |
| 20 | BRS | L9 6 | 1 | 26 and 91 | USPAT; EPO; JPO; DERWEN T | 2001/12/17 14:12 | | 0 |

FILE 'REGISTRY' ENTERED AT 14:21:36 ON 17 DEC 2001

L1 0 S ZINC SULPHATE
L2 249 S ZINC SULFATE

FILE 'CAPLUS' ENTERED AT 14:22:03 ON 17 DEC 2001

L3 9760 S L2
L4 11540 S L3 OR (ZINC SULFATE) OR (ZINC SULPHATE)
L5 62 S L4 AND (PROTEIN OR PROTIEN) AND ((SALT? OUT) OR PRECIPITAT?)
L6 9 S L5 AND (TOLUENE OR ACETONITRILE OR CHLOROFORM OR BENZENE OR D

FILE 'STNGUIDE' ENTERED AT 14:24:26 ON 17 DEC 2001

FILE 'CAPLUS' ENTERED AT 14:25:37 ON 17 DEC 2001

L7 9126 S (RIFAMPICIN OR RIFAMPIN OR RIFALDAZINE OR RIFAMYCIN)
L8 1 S L5 AND L7
L9 1 S L6 AND L7
L10 0 S L7 AND HPLC.TI. AND ZHANG.AU.
L11 0 S L7 AND ZHANG.AU.
L12 0 S 109002Y
L13 0 S 109002Y.AN.
L14 0 S 109002Y/AN
L15 0 S L7 AND ZHANG/AU
L16 19 S L7/TI AND HPLC/TI

L6 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2001 ACS

AN 1990:30169 CAPLUS

DN 112:30169

TI An improved micro-scale **protein precipitation**
procedure for HPLC assay of therapeutic drugs in serum

AU Lam, Stanley; Malikin, Galina

CS Albert Einstein Coll. Med., Bronx, NY, 10461, USA

SO J. Liq. Chromatogr. (1989), 12(10), 1851-72

CODEN: JLCHD8; ISSN: 0148-3919

DT Journal

LA English

AB A **protein pptn.** procedure for prepg. serum-free supernatant for HPLC of therapeutic drugs is described. **Protein pptn.** is facilitated by adding small amts. of **zinc sulfate** to the serum followed by a polar org. solvent (methanol, **acetonitrile**) with subsequent centrifugation. Since the procedure involves few pipetting steps, sample loss is minimized and recovery and precision are improved. Correlation coeffs. of 1-5% are accomplished for the assays without internal stds. The **protein pptn.** procedure is applicable to the HPLC of drugs in serum at min. detection levels of 0.5 mg/mL and 0.1 mg/mL by UV and fluorescence detection, resp. The method has been applied to the detn. of several drugs in human blood serum.

L6 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2001 ACS
AN 1992:15243 CAPLUS
DN 116:15243
TI Reversed-phase liquid chromatographic method for the simultaneous
determination of the antimalarial drugs sulfadoxine, pyrimethamine,
mefloquine and its major carboxylic metabolite in plasma
AU Bergqvist, Yngve; Eckerbom, Solveig; Larsson, Helena; Malekzadeh, Monireh
CS Dep. Clin. Chem., Falun Cent. Hosp., Falun, S-791 82, Swed.
SO J. Chromatogr. (1991), 571(1-2), 169-77
CODEN: JOCRAM; ISSN: 0021-9673
DT Journal
LA English
AB A high-performance liq. chromatog. method for the simultaneous detn. of
sulfadoxine, pyrimethamine, mefloquine and the carboxylic metabolite of
mefloquine in plasma is described. After the **proteins** have been
pptd. with a combination of **zinc sulfate** and
acetonitrile contg. two internal stds., pyrimethamine and
mefloquine are extd. as bases and sulfadoxine and the carboxylic
metabolite of mefloquine as ion-pairs with tetrabutylammonium. The drugs
are sepd. by HPLC on a 3 .mu.m octadecylsilica column with UV detection at
229 nm. The method is simple and reliable and enables the simultaneous
detn. of the drugs in 600-.mu.L plasma samples with a sensitivity suitable
for std. drug monitoring purposes.

L16 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2001 ACS
AN 1997:56454 CAPLUS
DN 126:109002
TI Study on HPLC assay for the plasma concentration of
rifampicin and its pharmacokinetics of microsphere formulation
AU Zhang, Wanguo; Jiang, Xuetao; Zhu, Caijuan
CS College of Pharmacy, The Second Military Medical University, Shanghai,
200433, Peop. Rep. China
SO Zhongguo Kangshengsu Zazhi (1996), 21(4), 273-276
CODEN: ZKZAEY; ISSN: 1001-8689
PB Zhongguo Kangshengsu Zazhishe
DT Journal
LA Chinese
AB Rifampicin (RFP) concn. in rabbit plasma was detd. by a HPLC assay. The
recovery rate was 102.04%, the linear range was 0.4-12.0 .mu.g mL-1 and
the RSD was <2%. The pharmacokinetics study of RFP in rabbits showed that
microsphere formulation could sustain the drug release, thus injection of
REP microspheres in rabbits gave a more stable and long-lasting plasma
concn.